SHIVAM KUMAR CHAUDHARY

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ABOUT ME

Computer Science graduate skilled in Python , and full-stack development, focused on building secure, scalable, and efficient applications. A quick learner passionate about exploring new technologies and solving complex problems. Thrives in dynamic, collaborative environments to deliver high-impact results.

EDUCATION

B.Tech (Computer Science and Engineering), Darbhanga College of Engineering   2020-2024 (7.97 CGPA)

WORK EXPERIENCE (FULL TIME)

SDE-1 (Sarva Suvidhaen Pvt Ltd)   Oct 2024 - Present

- **Notification Services:** Built a Kafka-based notification system using NestJS and TypeScript for low-latency, real-time alerts. Integrated 2FA into password resets, optimized mobile payloads, and managed deployments using Docker and PostgreSQL.
- **Workflow:** Developed a location-aware attendance tracking system using Flutter with Geolocator, Device Plus, and background location services for real-time field team monitoring. Led product design and oversaw end-to-end development with the team.
- **RailOps:** worked on the backend for a staff monitoring and customer feedback system with real-time tracking and data synchronization, focusing on scalable APIs, secure data handling, and system reliability.

WORK EXPERIENCE (INTERNSHIP)

SDE Intern (Sarva Suvidhaen Pvt Ltd)   June 2024 - Sep 2024

- Developed and optimized train management modules in RWMS for better data handling and accuracy.
- Improved frontend functionality and user experience in RWMS and RailOps with enhanced responsiveness and form validation.
- Built key features in RailOps, including role management, passenger chart handling, and real-time notifications to streamline operations.

Downloads: Contributed to app deployment, leading to a combined total of over 600 downloads for RWMS and RailOps on the Play Store. **Tech Stack:** Django (Backend), Flutter (Frontend)

PROJECTS

CareerSpot – Job Application Platform

Developed a cross-platform job app using Flutter and Python with features like Hiring of the Week and live contest updates via web scraping.

Tech Stack: Flutter, Python, Web Scraping

Railway Management API   GitHub Repo

Built a secure RESTful API using Django REST Framework with role-based access control for train operations. Implemented transactional row-level locking to ensure atomic seat booking and prevent race conditions during concurrent requests, while designing efficient endpoints for seamless frontend integration.

SKILLS AND CODING PROFILES

Frontend: HTML, CSS, JavaScript, React, Flutter,
Backend: Django, Node.js, Nest.js, TypeScript, Kafka
Databases: PostgreSQL, Redis, SQLite
Monitoring: Datadog, Grafana
Tools: Docker, Git, Google Cloud Platform (GCP)
Coding Profiles: Codolio

ACHIEVEMENTS AND EXTRA-CURRICULAR ACTIVITIES

- Achieved CodeChef Max Rating with global rank 834 in the January 2023 Long Challenge.
- Completed the Google Cloud Learn-to-Earn challenges on cloud security and data.
- Earned NPTEL certification in Joy of Computing through Python, improving engagement by 25%.